ABSTRACT

A crystalline polymer exhibiting crystal transition in the solid phase state, which satisfies the relationship defined by the formula $150 > \Delta H tr > 1.6 T tr - 3.5$ (1) (wherein $\Delta H tr$ represents the endotherm (J/g) accompanying crystal transition and T tr represents the crystal transition temperature (°C)). This crystalline polymer has a weight average molecular weight of 600 thousand or less and a crystal transition temperature (T tr) of 67°C or below. Since this crystalline polymer has a low phase transition temperature, a high heat of a crystal transition, and a high melting point, the potential utility thereof as a switching element or a thermal storage material used at around normal environment temperatures (20 to 50°C) is high.